

**BUSINESS (COMPUTER)or STEM ENDORSEMENT PATHWAY  
WITH MCLENNAN COMMUNITY COLLEGE**



HIGH SCHOOL FOUR-YEAR PLAN					CERTIFICATE OF COMPLETION <b>INFORMATION SYSTEMS &amp; APPLICATIONS</b>	
SUBJECT	Freshman	Sophomore	Junior	Senior	Semester 1	Semester 2
<b>ENGLISH</b>	English I	English II	English III	<i>4<sup>th</sup> English or Business English</i>	Networking Elective: Implementing & Supporting Servers ITNW 1354 or *CISCO Discovery 1 ITCC 1310	Digital Imaging I ARTC 1302
<b>MATH</b>	Algebra I	Geometry	Algebra II	<i>4<sup>th</sup> Math</i>	Intro to Computing COSC 1301 or Bus. Computer Applications BCIS 1305	Personal Computer Hardware ITSC 1325
<b>SCIENCE</b>	Biology	Chemistry or IPC	Physics or Principles of Technology	<i>4<sup>th</sup> Science</i>	Programming Fundamentals I COSC 1336	Intro to Visual BASIC Programming ITSE 1331 or Beginning Web Prog. ITSE 1311 or Prog. Fundamentals II COSC 1337
<b>SOCIAL STUDIES</b>	World History	World Geography	U.S. History	Government/ Economics	Intro to PC Operating Systems ITSC 1305	Intro to Spreadsheets ITSW 1304
<b>FINE ARTS</b>	Fine Arts				Web Design I IMED 1316	Intro to Database ITSW 1307
<b>ELECTIVES</b>		<i>1 Elective ½ Elective</i>	<i>1 Elective</i>	<i>1 Elective</i>		
<b>HEALTH/PE</b>	PE	½ Health				
<b>SECOND LANGUAGE</b>	Foreign Language	Foreign Language				
<b>CREDIT BY ARTICULATION @ THE HIGH SCHOOL</b>	🖥️ Business Info. Mgmt. or 🖥️ Principles of Info. Tech.	🖥️ Digital & Interactive Media	🖥️ Computer Maintenance  🖥️ Web Technologies		🖥️ ITSC 1301 substitutes for COSC1301 or BCIS 1305 when used for a certificate.	
<b>DUAL CREDIT WITH MCC</b>				ITSC 1305 Intro to PC Operating Sys ITCC 1310 CISCO 1	*CISCO Discovery 1 – Online Academy	
<b>TOTAL CREDITS</b>	8	8	7	7	Sem. Hrs. = 15	Sem. Hrs. = 15

\*State Wide Articulation

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HIGH SCHOOL FOUR-YEAR PLAN					CERTIFICATE OF COMPLETION <b>CISCO NETWORK ADMINISTRATION</b>	
SUBJECT	Freshman	Sophomore	Junior	Senior	Semester 1	Semester 2
<b>ENGLISH</b>	English I	English II	English III	<i>4<sup>th</sup> English or Business English</i>	Introduction to Computing COSC 1301	Personal Computer Hardware ITSC 1325
<b>MATH</b>	Algebra I	Geometry	Algebra II	<i>4<sup>th</sup> Math</i>	Programing Fundamentals I COSC 1336	UNIX Operating Systems I ITSC 1307
<b>SCIENCE</b>	Biology	Chemistry or IPC	Physics or Principles of Technology	<i>4<sup>th</sup> Science</i>	CISCO Discovery 1 ITCC 1310	CISCO Discovery 2 ITCC 1311
<b>SOCIAL STUDIES</b>	World History	World Geography	U.S. History	Government/ Economics	ITNW 1354 Implementing and Supporting Servers	Implementing Network Directory Services ITNW 1345
<b>FINE ARTS</b>	Fine Arts				Intro to PC Operating Systems ITSC 1305	Info Technology Security ITSY 1342
<b>ELECTIVES</b>		<i>1 Elective ½ Elective</i>	<i>1 Elective</i>	<i>1 Elective</i>		
<b>HEALTH/PE</b>	PE	½ Health				
<b>SECOND LANGUAGE</b>	Foreign Language	Foreign Language				
<b>CREDIT BY ARTICULATION @ THE HIGH SCHOOL</b>	☞ Business Information Management or ☞ Principles of Information Technology	☞ Computer Maintenance			☞ ITSC 1301 substitutes for COSC1301 or BCIS 1305 when used for a certificate.	
<b>DUAL CREDIT WITH MCC @ MCC</b>			ITSC 1305 Intro to PC Operating Systems		*CISCO Discovery 1 & CISCO Discovery II- Online Academy	
			ITCC 1310 CISCO 1	ITCC 1311 CISCO 2		
<b>TOTAL CREDITS</b>	8	8	7	6	Sem. Hrs. = 15	Sem. Hrs. = 15

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HIGH SCHOOL FOUR-YEAR PLAN					CERTIFICATE OF COMPLETION <b>WINDOWS NETWORK ADMINISTRATION</b>		
SUBJECT	Freshman	Sophomore	Junior	Senior	Semester 1	Semester 2	Semester 3
<b>ENGLISH</b>	English I	English II	English III	<i>4<sup>th</sup> English or Business English</i>	Introduction to Computing COSC 1301	Intro to PC Operating Systems ITSC 1305	Administering a MS SQL Server ITNW 2352
<b>MATH</b>	Algebra I	Geometry	Algebra II	<i>4<sup>th</sup> Math</i>	Personal Computer Hardware ITSC 1325	CISCO Discovery 1 ITCC 1310	CISCO Discovery 2 ITCC 1311
<b>SCIENCE</b>	Biology	Chemistry or IPC	Physics or Principles of Technology	<i>4<sup>th</sup> Science</i>		ITNW 1354 Implementing and Supporting Servers	Implementing Network Directory Services ITNW 1345
<b>SOCIAL STUDIES</b>	World History	World Geography	U.S. History	Government/ Economics		UNIX Operating Systems I ITSC 1307	Personal Computer Help Desk ITSC 2339 or Internship-Computer ITSC 2486
<b>FINE ARTS</b>	Fine Arts						Info Technology Security ITSY 1342
<b>ELECTIVES</b>		<i>1 Elective ½ Elective</i>	<i>1 Elective</i>	<i>1 Elective</i>			
<b>HEALTH/PE</b>	PE	½ Health					
<b>SECOND LANGUAGE</b>	Foreign Language	Foreign Language					
<b>CREDIT BY ARTICULATION @ THE HIGH SCHOOL</b>	☞ Business Information Management or ☞ Principles of Information Technology	☞ Computer Maintenance			☞ ITSC 1301 substitutes for COSC1301 or BCIS 1305 when used for a certificate.		
<b>DUAL CREDIT WITH MCC @ MCC</b>			ITSC 1305 Intro to PC Ops.		*CISCO Discovery 1 & CISCO Discovery II- Online Academy		
			ITCC 1310 CISCO 1	ITCC 1311 CISCO 2			
<b>TOTAL CREDITS</b>	8	8	7	6	Sem. Hrs. = 6	Sem. Hrs. = 12	Sem. Hrs. = 15

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HIGH SCHOOL FOUR-YEAR PLAN					CERTIFICATE OF COMPLETION <b>MEDIA COMMUNICATIONS</b>	
SUBJECT	Freshman	Sophomore	Junior	Senior	Semester 1	Semester 2
<b>ENGLISH</b>	English I	English II	English III	<i>4<sup>th</sup> English or Business English</i>	Intro to Computing COSC 1301	Web Page Design II IMED 2315
<b>MATH</b>	Algebra I	Geometry	Algebra II	<i>4<sup>th</sup> Math</i>	Web Page Design I IMED 1316	Digital Video ARTV 1351 or Digital Imaging II ARTC 2305
<b>SCIENCE</b>	Biology	Chemistry or IPC	Physics or Principles of Technology	<i>4<sup>th</sup> Science</i>	Digital Imaging I ARTC 1302	Intro to Database ITSW 1307
<b>SOCIAL STUDIES</b>	World History	World Geography	U.S. History	Government/ Economics	Animation 2D ARTV 2301	Beginning Web Programing I ITSE 1311
<b>FINE ARTS</b>	Fine Arts				Programing Fundamentals I COSC 1336	Intro to PC Operating Systems ITSC 1305 or Vector Graphics for Production GRPH 1359
<b>ELECTIVES</b>		<i>1 Elective ½ Elective</i>	<i>1 Elective</i>	<i>1 Elective</i>		
<b>HEALTH/PE</b>	PE	½ Health				
<b>SECOND LANGUAGE</b>	Foreign Language	Foreign Language				
<b>CREDIT BY ARTICULATION @ THE HIGH SCHOOL</b>	📖 Business Information Management or 📖 Principles of Information Technology	📖 Digital & Interactive Media	📖 Web Technologies	📖 Advanced Audio/Video Production	📖 ITSC 1301 substitutes for COSC1301 or BCIS 1305 when used for a certificate.	
<b>DUAL CREDIT WITH MCC</b>			ARTV 2301 Animation 2D	ITSC 1305 Intro to PC Operating Systems		
<b>TOTAL CREDITS</b>	8	8	7	7	Sem. Hrs. = 15	Sem. Hrs. = 15

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HIGH SCHOOL FOUR-YEAR PLAN					CERTIFICATE OF COMPLETION <b>WEB DESIGN</b>	
SUBJECT	Freshman	Sophomore	Junior	Senior	Semester 1	Semester 2
<b>ENGLISH</b>	English I	English II	English III	<i>4<sup>th</sup> English or Business English</i>	Intro to Computing COSC 1301	Intro to PC Operating Systems ITSC 1305
<b>MATH</b>	Algebra I	Geometry	Algebra II	<i>4<sup>th</sup> Math</i>	Digital Imaging I ARTC 1302	Beginning Web Prog. I ITSE 1311
<b>SCIENCE</b>	Biology	Chemistry or IPC	Physics or Principles of Technology	<i>4<sup>th</sup> Science</i>	Web Page Design I IMED 1316	Internet Commerce IMED 2309
<b>SOCIAL STUDIES</b>	World History	World Geography	U.S. History	Government/ Economics	Programming Fundamentals I COSC 1336	Digital Imaging II ARTC 2305 or Animation 2D ARTV 2301
<b>FINE ARTS</b>	Fine Arts				Intro to Database ITSW 1307	Web Page Design II IMED 2315
<b>ELECTIVES</b>		<i>1 Elective ½ Elective</i>	<i>1 Elective</i>	<i>1 Elective</i>		
<b>HEALTH/PE</b>	PE	½ Health				
<b>SECOND LANGUAGE</b>	Foreign Language	Foreign Language				
<b>CREDIT BY ARTICULATION @ THE HIGH SCHOOL</b>	Business Information Management or Principles of Information Technology	Digital & Interactive Media	Web Technologies		ITSC 1301 substitutes for COSC1301 or BCIS 1305 when used for a certificate.	
<b>DUAL CREDIT WITH MCC</b>				ITSC 1305 Intro to PC Operating Systems  ITSW 1307 Intro to Database		
<b>TOTAL CREDITS</b>	8	8	6	6	Sem. Hrs. = 15	Sem. Hrs. = 15

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HIGH SCHOOL FOUR-YEAR PLAN					CERTIFICATE OF COMPLETION <b>INTERNET WEBMASTER</b>		
SUBJECT	Freshman	Sophomore	Junior	Senior	Semester 1	Semester 2	Semester 3
<b>ENGLISH</b>	English I	English II	English III	<i>4<sup>th</sup> English or Business English</i>	Intro to Computing COSC 1301	Internet Commerce IMED 2309	CISCO Discovery 1 ITCC 1310 or Implementing and Support Services ITNW 1354
<b>MATH</b>	Algebra I	Geometry	Algebra II	<i>4<sup>th</sup> Math</i>	Programming Fundamentals I COSC 1336	Web Page Design II IMED 2315	
<b>SCIENCE</b>	Biology	Chemistry or IPC	Physics or Principles of Technology	<i>4<sup>th</sup> Science</i>	Intro to PC Operating Systems ITSC 1305	Beg. Web Programming ITSE 1311	
<b>SOCIAL STUDIES</b>	World History	World Geography	U.S. History	Government/ Economics	Digital Imaging I ARTC 1302	Personal Computer Hardware ITSC 1325	
<b>FINE ARTS</b>	Fine Arts				Web Page Design I IMED 1316		
<b>ELECTIVES</b>		<i>1 Elective ½ Elective</i>	<i>1 Elective</i>	<i>1 Elective</i>			
<b>HEALTH/PE</b>	PE	½ Health					
<b>SECOND LANGUAGE</b>	Foreign Language	Foreign Language					
<b>CREDIT BY ARTICULATION @ THE HIGH SCHOOL</b>	☞ Business Information Management or ☞ Principles of Information Technology	☞ Digital & Interactive Media	☞ Computer Maintenance		☞ ITSC 1301 substitutes for COSC1301 or BCIS 1305 when used for a certificate.		
<b>DUAL CREDIT WITH MCC</b>			ITSC 1305 Intro to PC Operating Systems	ITCC 1310 CISCO 1	*CISCO Discovery 1 & CISCO Discovery II- Online Academy		
<b>TOTAL CREDITS</b>	8	8	7	6	Sem. Hrs. = 15	Sem. Hrs. = 12	Sem. Hrs. = 3

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